(19) World Intellectual Property
Organization
International Bureau





(43) International Publication Date 28 April 2005 (28.04.2005)

**PCT** 

(10) International Publication Number WO 2005/037293 A1

(51) International Patent Classification<sup>7</sup>: A61K 31/7016, 31/7032, 39/002, 39/02, 39/12, 39/35, 35/12

(21) International Application Number:

PCT/AU2004/001429

(22) International Filing Date: 18 October 2004 (18.10.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/511,745

16 October 2003 (16.10.2003) US

(71) Applicants (for all designated States except US): MONASH UNIVERSITY [AU/AU]; Wellington Road, Clayton, Victoria 3168 (AU). GRIFFITH UNIVERSITY [AU/AU]; Office for Research, Nathan Campus, Kessels Road, Nathan, Queensland 4111 (AU).

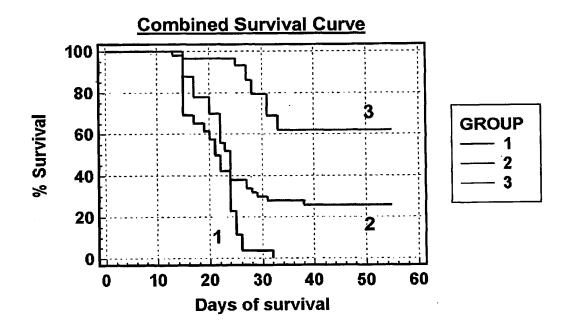
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): RALPH, Stephen,

John [AU/AU]; 18 Barrier Reef Drive, Mermaid Waters, Queensland 4218 (AU).

- (74) Agents: ARGAET, Victor, Peter et al.; Level 3, 303 Coronation Drive, Milton, Queensland 4064 (AU).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: IMMUNOMODULATING COMPOSITIONS AND USES THEREFOR



(57) Abstract: The present invention discloses immunomodulating compositions. More particularly, the present invention discloses compositions comprising an immune-modulating agent and a lectin-interactive agent, which are useful for stimulating and prolonging host immune cell responses. The compositions of the present invention are particularly useful in the treatment and/or prophylaxis of a range of conditions including pathogenic infections, autoimmune diseases, transplant rejection, graft versus host disease, allergies, inflammatory disease, as well as cancers and tumours.

## WO 2005/037293 A1



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

## Published:

with international search report